

10/588703

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THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT (ARTICLE 34):

Amended Sheet (Page 13)

CLAIMS

1. Process for manufacturing a fragmented layer of material on a support, characterised in that
5 it comprises:

- a deposition step for depositing, in a discontinuous manner, a thin layer (14) of this material on said support,
- followed by a step for putting this thin
10 layer into drops.

2. Process according to claim 1, wherein putting into drops is achieved by heat treatment.

15 3. Process according to claim 1, wherein putting into drops is achieved by hydrogen plasma treatment at low temperature.

4. Process according to any of claims 1 to
20 4, comprising a previous step for depositing a thermal or diffusion barrier layer (12).

5. Process according to claim 4, the thermal or diffusion barrier layer (12) being made of
25 TiN, the material being nickel.

6. Process according to any of claims 1 to 5, wherein the material is a metal.

30 7. Process according to any of claims 1 to 6, the deposition step of the material layer being

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FR200 5/050073

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J37/34 C23C14/22 C23C14/04 C01B31/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C C01B B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/027011 A (LEE IDA ; UT BATTELLE LLC (US)) 3 April 2003 (2003-04-03) page 11, line 5 - line 28; figures 5,8 page 12, line 9 - line 14 page 13, line 22 - line 24	1-9
X	US 2003/234417 A1 (MAES JAN WILLEM ET AL) 25 December 2003 (2003-12-25) paragraphs '0043!', '0044!; figures 2a,2b -/-	1-4,7, 10-12

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

7 June 2005

Date of mailing of the international search report

15/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 6818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3018

Authorized officer

Veefkind, V

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2005/050073

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MASAKO YUDASAKA ET AL: "SPECIFIC CONDITIONS FOR NI CATALYZED CARBON NANOTUBE GROWTH BY CHEMICAL VAPOR DEPOSITION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 67, no. 17, 20 October 1995 (1995-10-20), pages 2477-2479, XP000544337 ISSN: 0003-6951 cited in the application the whole document	1-12
X	WO 96/22841 A (SANDIA CORP) 1 August 1996 (1996-08-01) claims 1,3	1,2,10
X	US 5 084 144 A (REDDY N R K VILAMBI ET AL) 28 January 1992 (1992-01-28) column 5, line 64 - column 6, line 5 column 11, line 50 - line 66	1-4,10
X	COTELL C M ET AL: "Microstructural development of thin films grown by pulsed laser deposition" MATERIALS SCIENCE AND ENGINEERING B, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 32, no. 3, 1 July 1995 (1995-07-01), pages 221-230, XP002297626 ISSN: 0921-5107 the whole document	1-3,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2005/050073

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03027011	A	03-04-2003	US 2002046953 A1 EP 1399385 A2 JP 2005503273 T WO 03027011 A2	25-04-2002 24-03-2004 03-02-2005 03-04-2003
US 2003234417	A1	25-12-2003	NONE	
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